

Commissioner for Patents  
Washington, DC 20231  
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/890,816	08/01/2001	2122	457	740789-051830	16	23	2

CONFIRMATION NO. 7941

FILING RECEIPT

26770  
NIXON PEABODY LLP  
ATTENTION: DAVID RESNICK  
101 FEDERAL STREET  
BOSTON, MA 02110

RECEIVED



MAY 07 2003

Technology Center 2100

Date Mailed: 01/09/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Neil Lightowler, Residence Not Provided;

77 Don Street  
Old Aberdeen  
Aberdeen  
AB24 1UJ  
UK

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/GB00/00277 02/01/2000

## Foreign Applications

UNITED KINGDOM 9902115.6 02/01/1999

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

## Title

element  
Neural processing element for use in a neural network

Preliminary Class

706

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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Practitioner's Docket No. 740789-051830

DT16 Rec'd PCT/PTO

15 APR 2003

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Neil Lightowler  
Application No.: 09/890,816  
Filed: 08/01/2001  
For: NEURAL PROCESSING ELEMENT FOR USE IN A NEURAL NETWORK

Group No.: 2122  
Examiner: To be assigned

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a) and 1.10)

I hereby certify that this correspondence:

1. Transmittal Form (1 pg.);
2. Request for Corrected Filing Receipt (2 pp.);
3. Copy – Filing Receipt with Corrections Marked in Red Ink (2 pp.);
4. Fee Transmittal (1 pg.);
5. Check - \$25.00;
6. Return Receipt Postcard;

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MAY 07 2003

Technology Center 2100

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FACSIMILE

transmitted by facsimile to the Patent and Trademark Office.

Date: April 8, 2003

Signature

Nicole M. Gignac

(type or print name of person certifying)

Repln. Ref: 04/16/2003 SDIRETA1 0013183500  
DAH:500850 Name/Number:09890816  
FC: 9204 \$25.00 CR



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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 25.00

## Complete if Known

Application Number 09/890,816  
Filing Date 08/01/2001  
First Named Inventor Neil Lightowler  
Examiner Name To be assigned  
Art Unit 2122  
Attorney Docket No. 701039-054020-P

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MAY 07 2003

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit  
Account  
Number  
Deposit  
Account  
Name

50-0850 - for deficiencies

NIXON PEABODY LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☐ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims  -20\*\* =  X  =   
Independent Claims  -3\*\* =  X  =   
Multiple Dependent  =

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) 37 C.F.R. 1.19(h)					25.00

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 25.00

## SUBMITTED BY

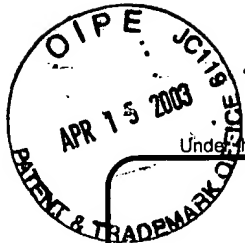
(Complete if applicable)

Name (Print/Type) David S. Resnick Registration No. 34,235 Telephone (617) 345-6057  
Signature [Signature] (Attorney/Agent) Date 4/8/03

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number	09/890,816
Filing Date	08/01/2001
First Named Inventor	Neil Lightowler
Art Unit	2122
Examiner Name	To be assigned
Attorney Docket Number	701039-054020-P

**RECEIVED****MAY 07 2003****Technology Center 2100**

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	Req. for Corrected Filing Receipt;
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	Certificate of Mailing; Check - \$25.00;
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	Return Receipt Postcard.
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

The Commissioner is authorized to charge the Nixon Peabody LLP Deposit Account No. 50-0850 for any fee deficiencies associated with this filing.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual	David S. Resnick (Reg. No. 34,235) NIXON PEABODY LLP, 101 Federal Street, Boston, MA 02110
Signature	
Date	4/8/03

**CERTIFICATE OF TRANSMISSION/MAILING**

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4/8/2003

Typed or printed	Nicole M. Gignac
Signature	
Date	4/8/2003

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Practitioner's Docket No. 740789-051830

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**MAY 07 2003**

In re application of: Neil Lightowler

Application No.: 09/890,816

Filed: 08/01/2001

For:

Group No.: 2122

Examiner: To be assigned

**Technology Center 2100**

**NEURAL PROCESSING ELEMENT FOR USE IN A NEURAL NETWORK**

**CERTIFICATE OF MAILING (37 C.F.R. SECTION 1.8(a))**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Date

4 / 8 / 03

Nicole M. Gignac

(type or print name of person mailing paper)

Nicole M. Gignac  
Signature of person mailing paper

**Assistant Commissioner for Patents  
Washington, D.C. 20231**

**REQUEST FOR CORRECTED FILING RECEIPT**

1. Attached is a copy of the official filing receipt received from the PTO in the above application for which issuance of a corrected filing receipt is respectfully requested.
2. There is an error with respect to the following data, which is:

☒ [X] incorrectly entered

*and/or*

☒ [X] omitted.

In re application of: Neil Lightowler  
Application No.: 09/890,816 Group No.: 2122  
Filed: 08/01/2001 Examiner: To be assigned  
For: NEURAL PROCESSING ELEMENT FOR USE IN A NEURAL NETWORK

**Error in**

**Correct data**

- |  |                             |  |
|--|-----------------------------|--|
| 1. <input type="checkbox"/>            | Applicant's name            | 1.   |
| 2. <input checked="" type="checkbox"/> | Applicant's address         | 2. 77 Don Street, Old Aberdeen, Aberdeen<br>AB24 1UJ, UK |
| 3. <input checked="" type="checkbox"/> | Title                       | 3. "element" should be "element"                         |
| 4. <input type="checkbox"/>            | Filing Date                 | 4.   |
| 5. <input type="checkbox"/>            | Serial Number               | 5.   |
| 6. <input type="checkbox"/>            | Foreign/PCT Application Re: | 6.   |
| 7. <input type="checkbox"/>            | Other                       | 7.   |

3. *(complete the following applicable item)*

- ☐ The correction(s) is/are not due to any error by applicant and no fee is due.

**OR**


- ☒ At least one of the above corrections is due to applicant's error and the fee therefore, under 37 C.F.R. Section 1.19(h), of \$25.00 is paid as follows:

- ☒ Enclosed is check for \$25.00.  
☐ Charge Account \_\_\_\_\_ the sum of \$25.00.  
☒ Please charge the NIXON PEABODY LLP Deposit Account No. 50-0850 for any fee deficiencies associated with this filing.

Date: 4/8/03

Customer No.: 26770

Respectfully submitted,



David S. Resnick (Reg. No. 34,235)  
NIXON PEABODY LLP  
101 Federal Street  
Boston, MA 02110  
(617) 345-6057